

FIG. 1

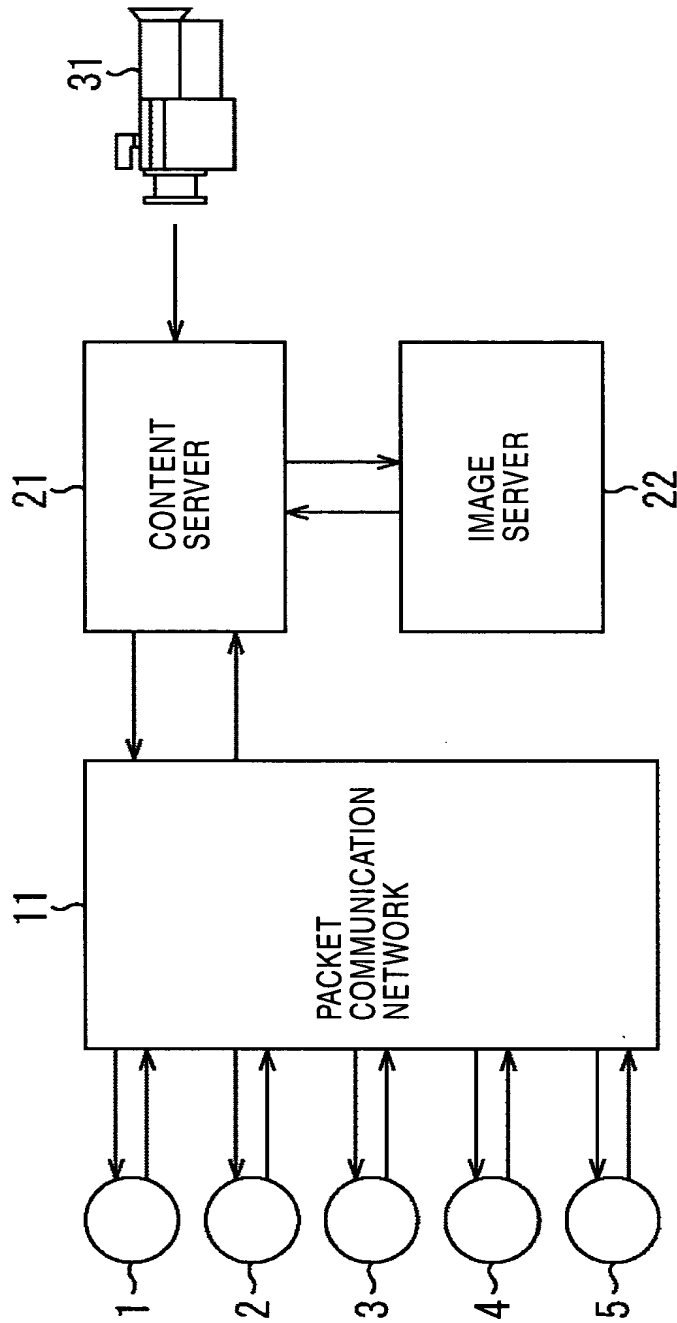


FIG. 2

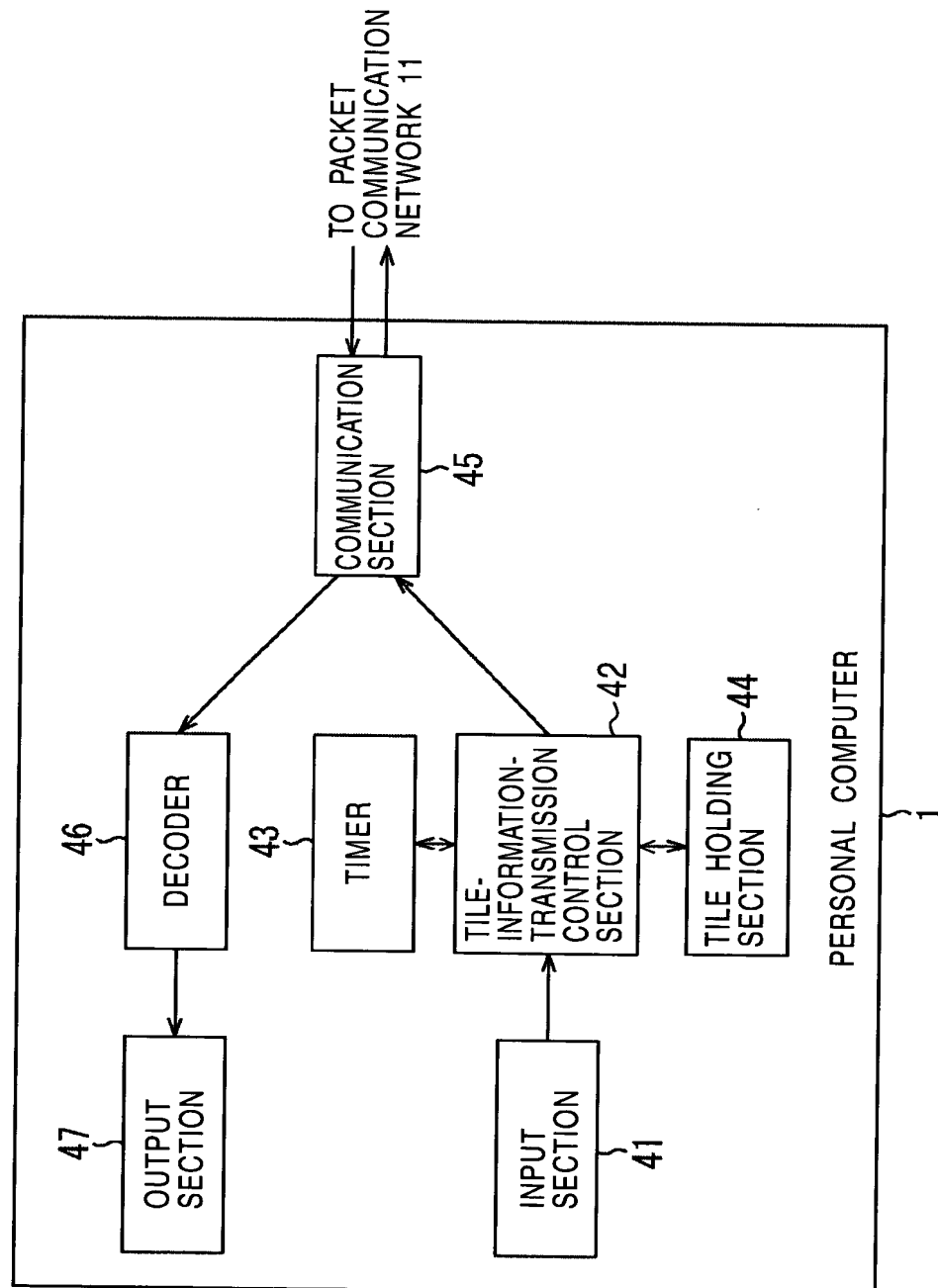


FIG. 3

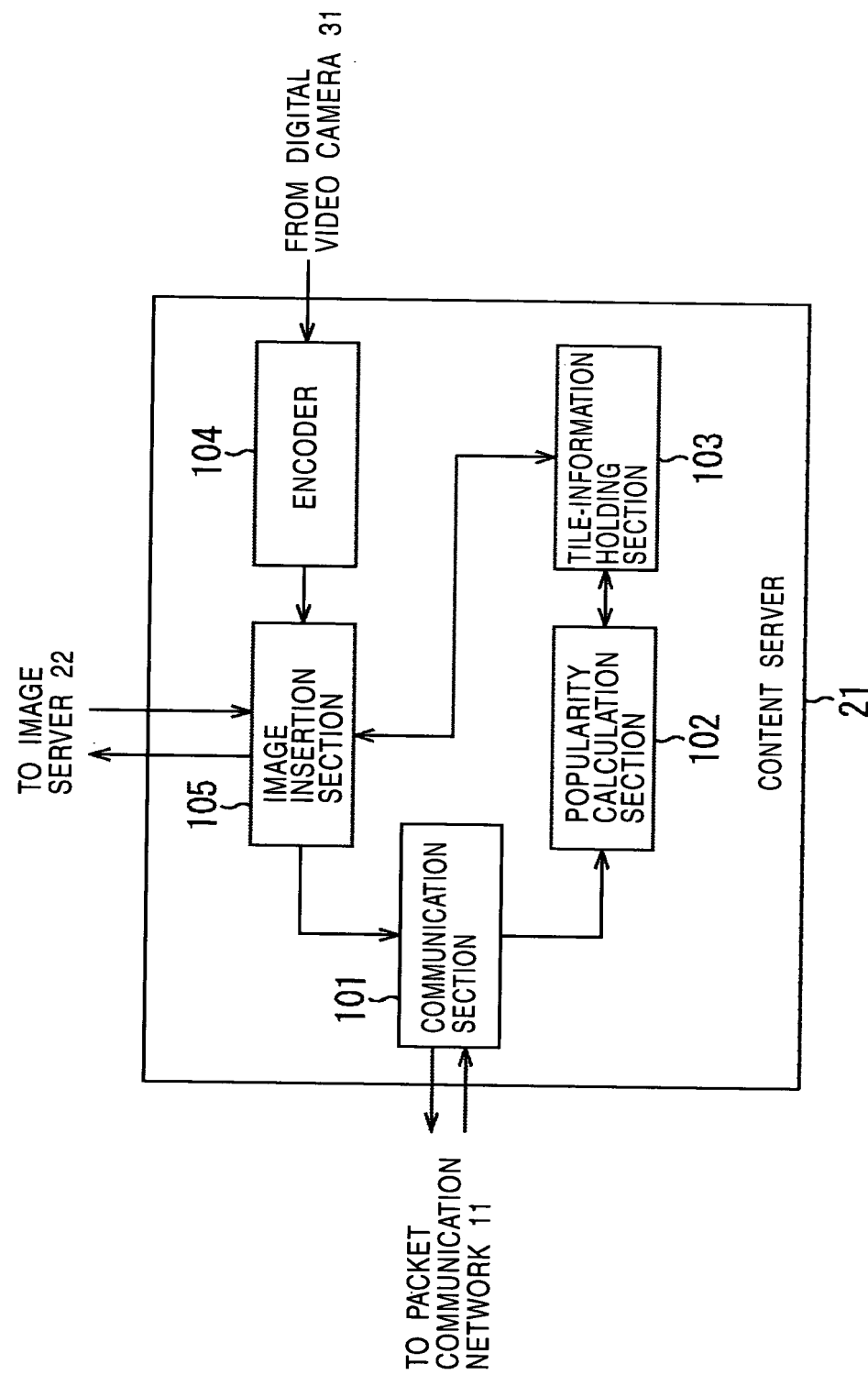


FIG. 4

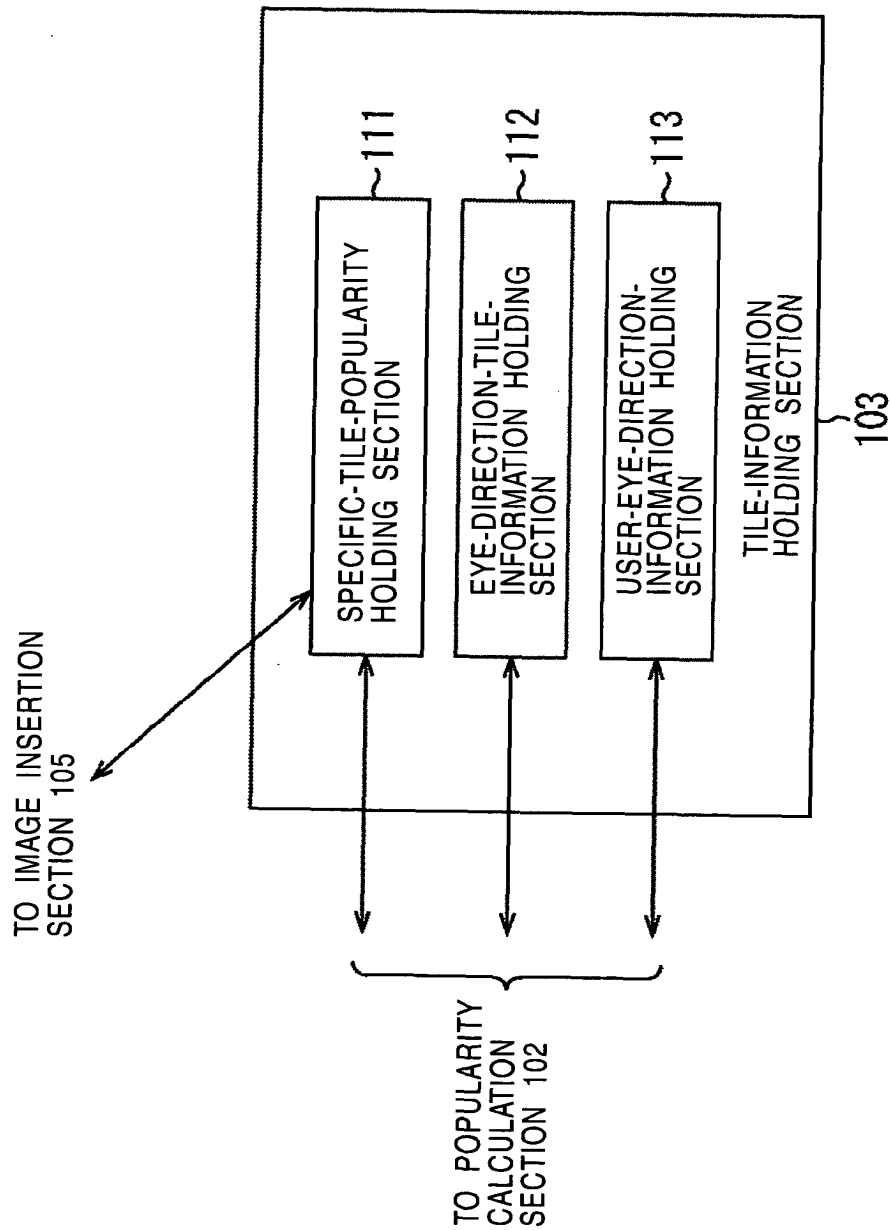


FIG. 5

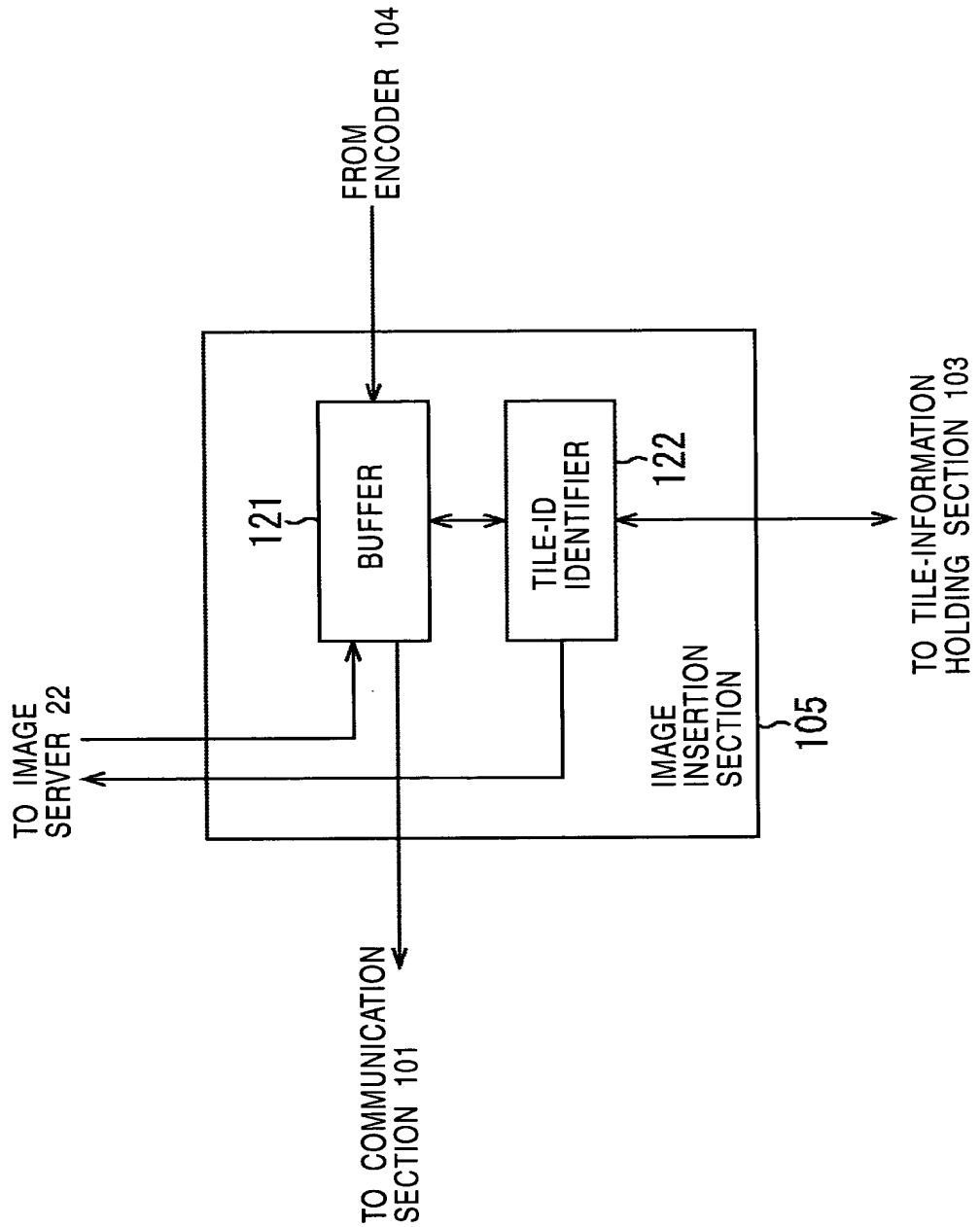
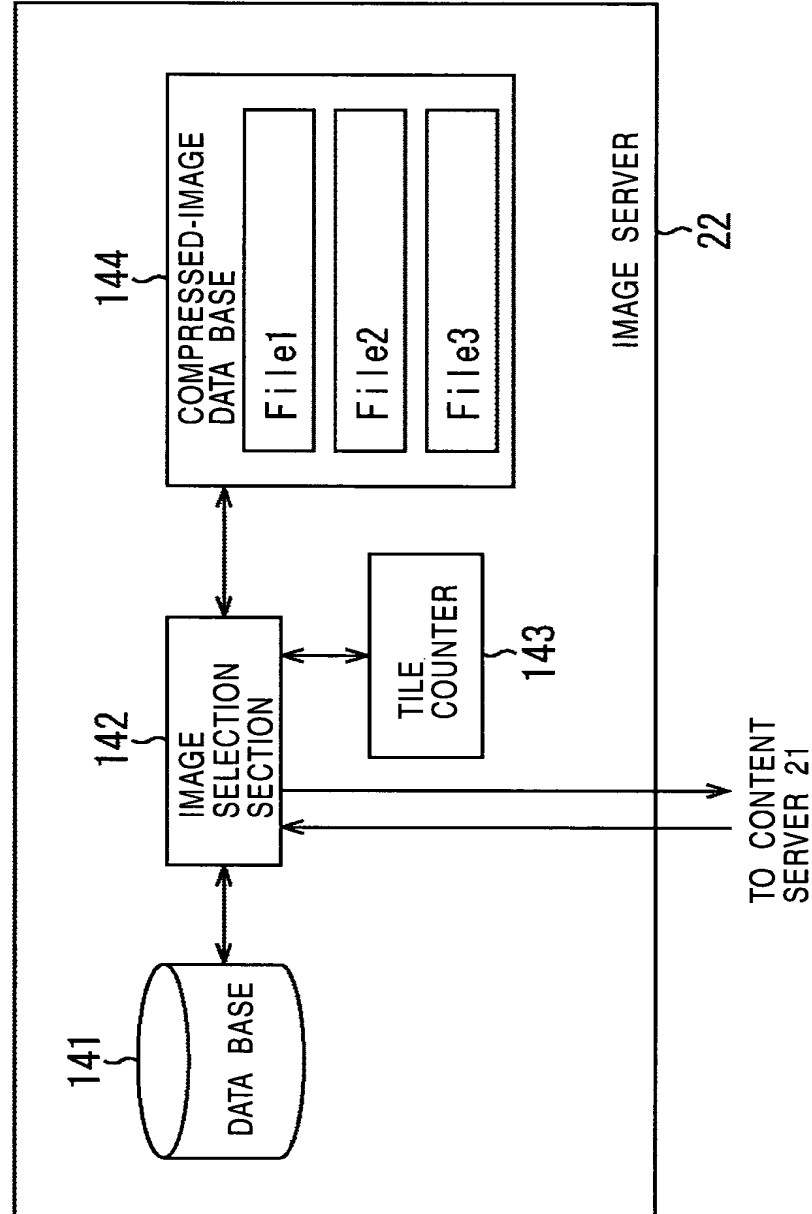
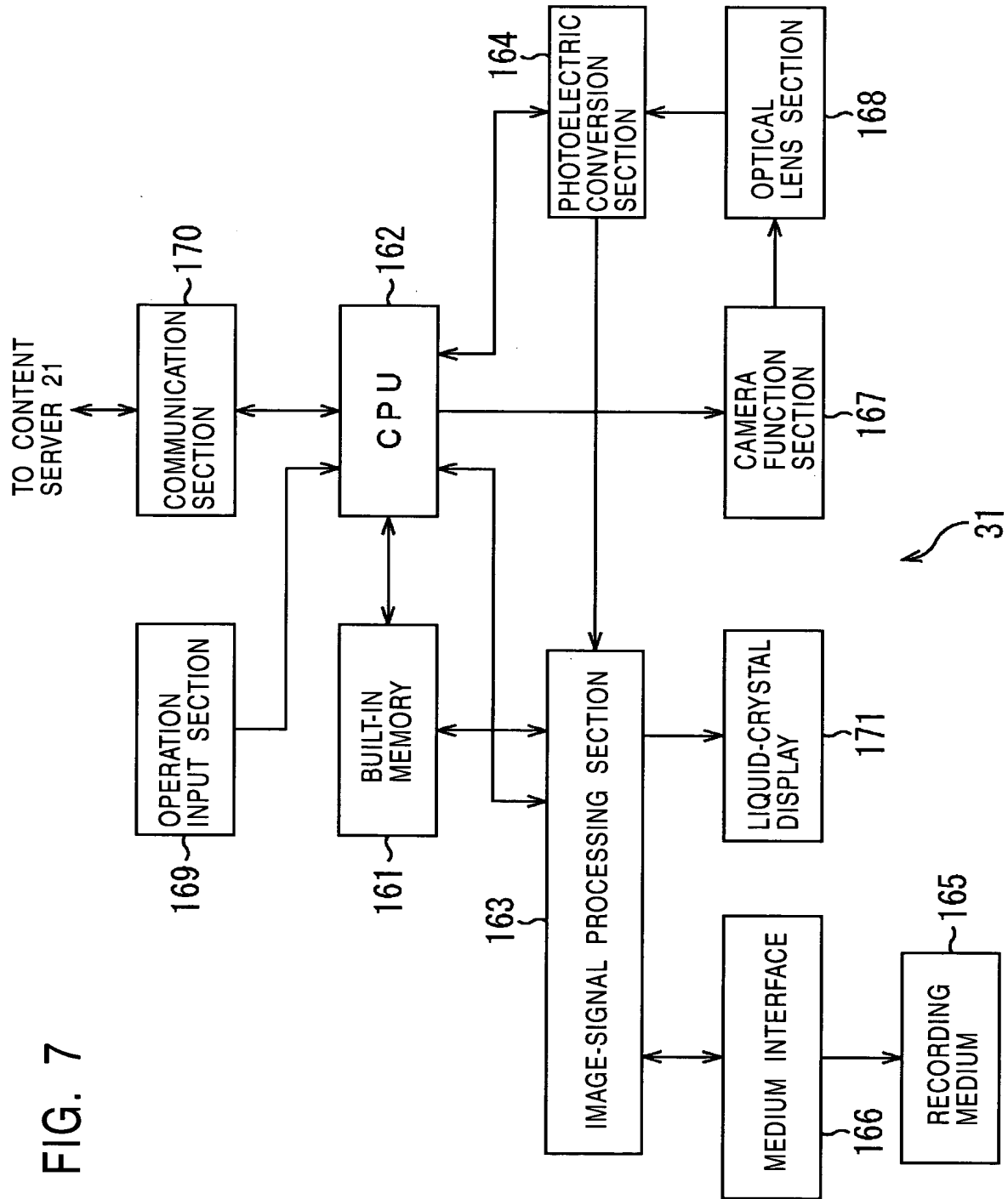


FIG. 6

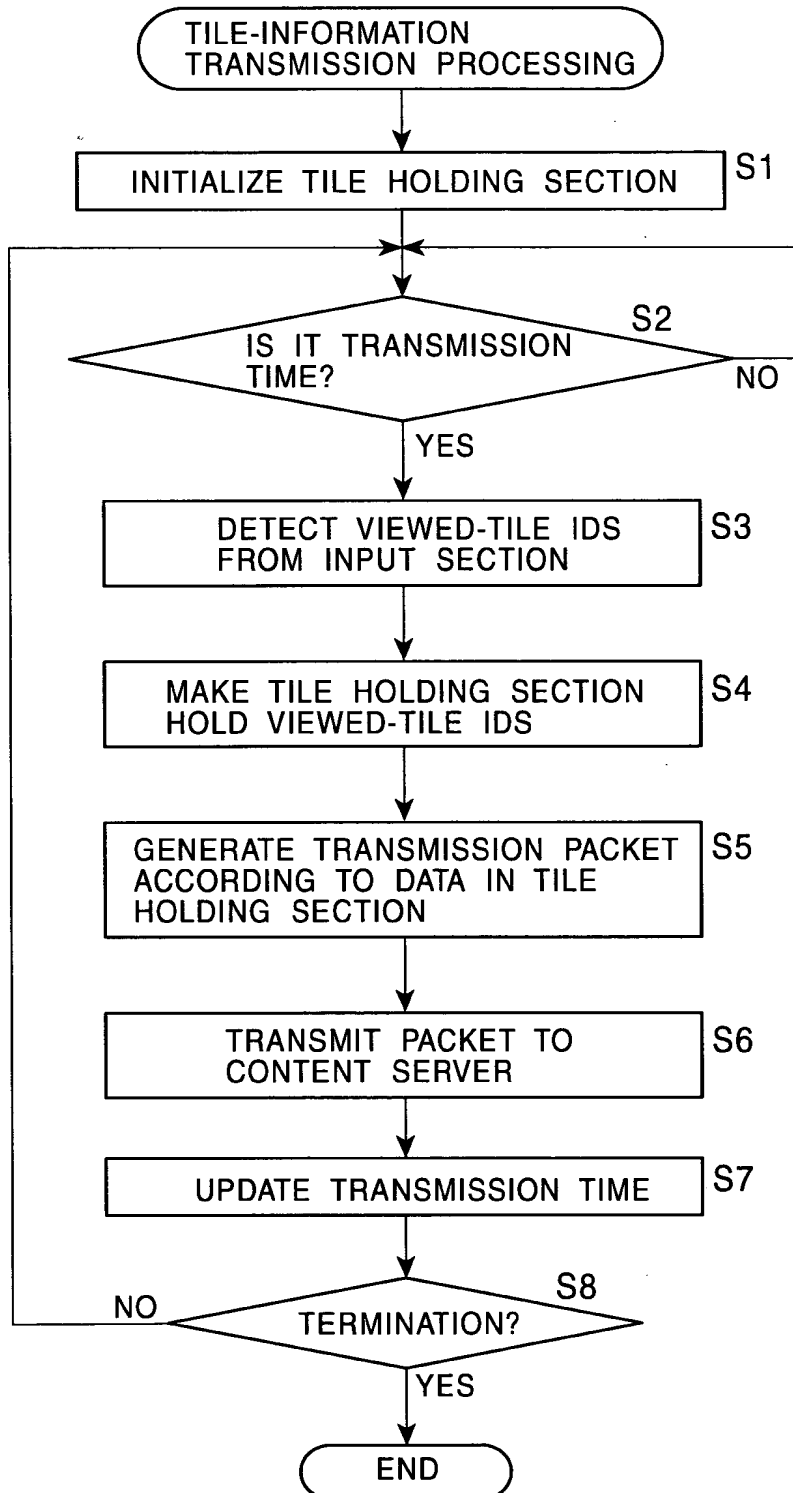


7 / 28



8 / 28

FIG. 8





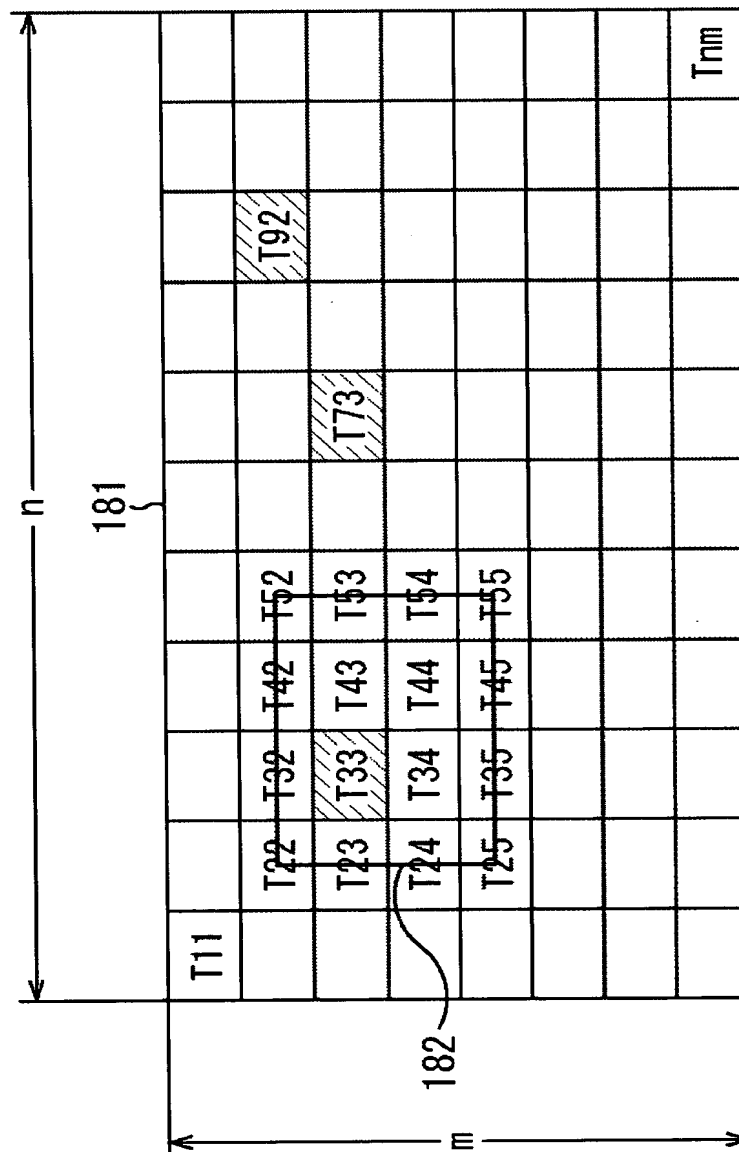


FIG. 10

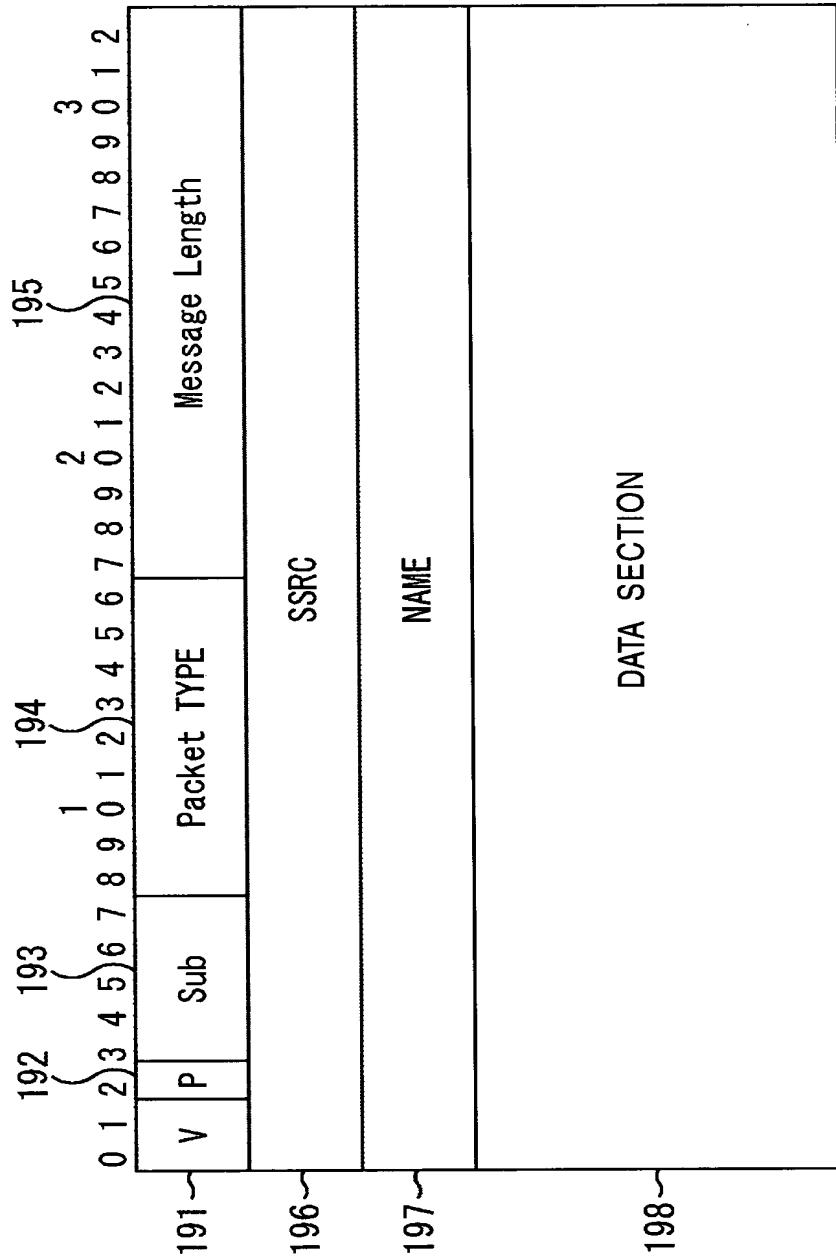


FIG. 11

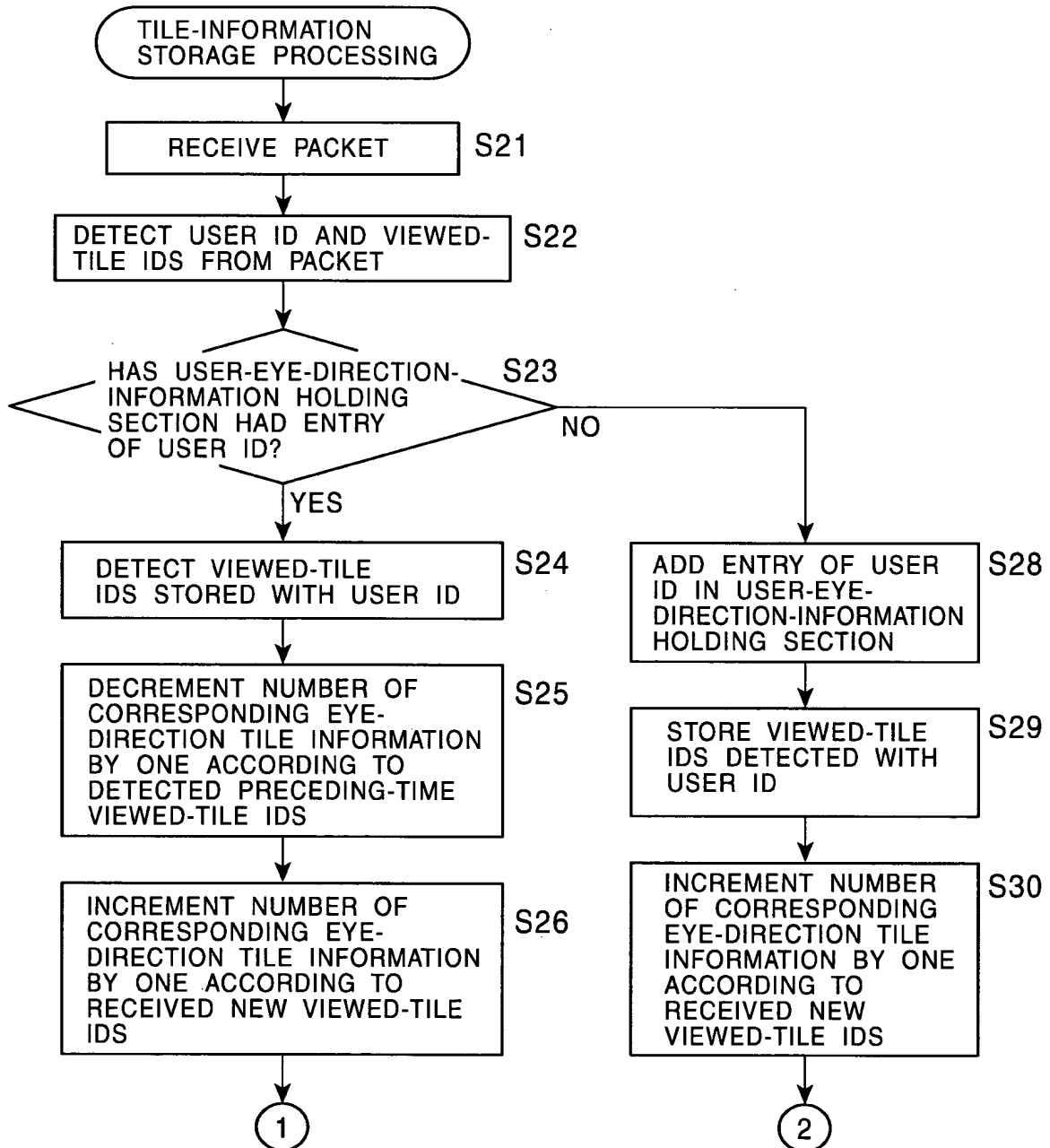
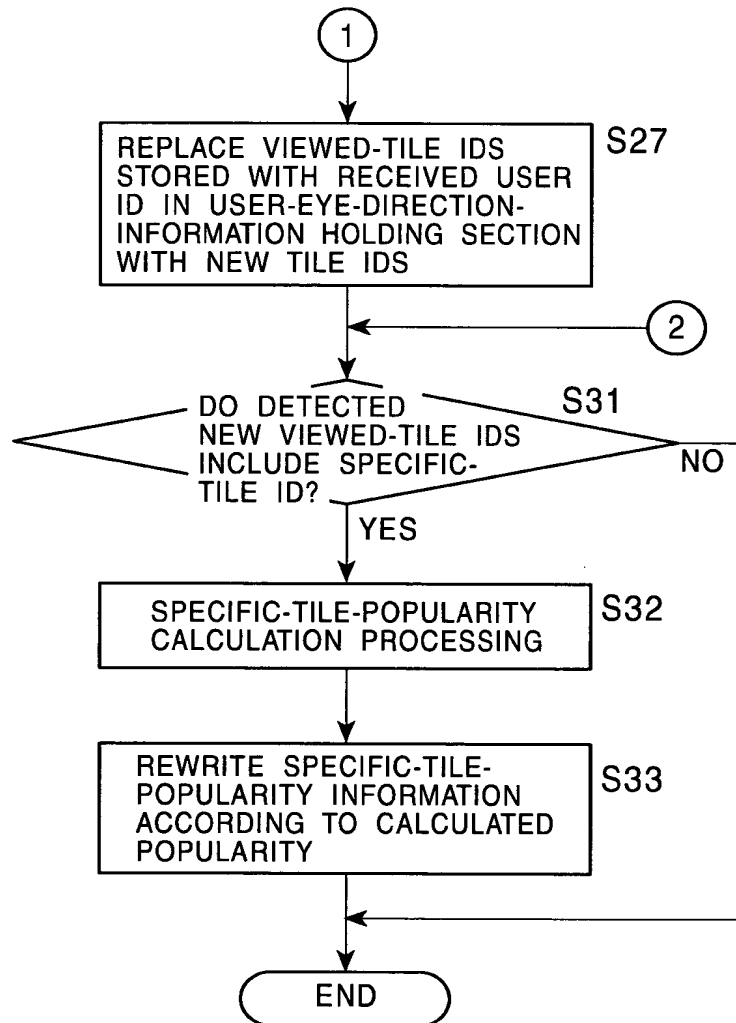


FIG. 12



Inventor: Kenji Yamane

App. No.: Unknown

Docket No.: 112857-418

Firm/Attorney: Bell, Boyd & Lloyd, LLC/B. Joe Kim

Telephone No.: (312) 807-4354

13 / 28

FIG. 13

211		212		
USER ID	VIEWED-TILE ID			
1234	T11	T12	T21	T22
4321	T22	T23	T32	T33
⋮	⋮	⋮	⋮	⋮

210

113

FIG. 14

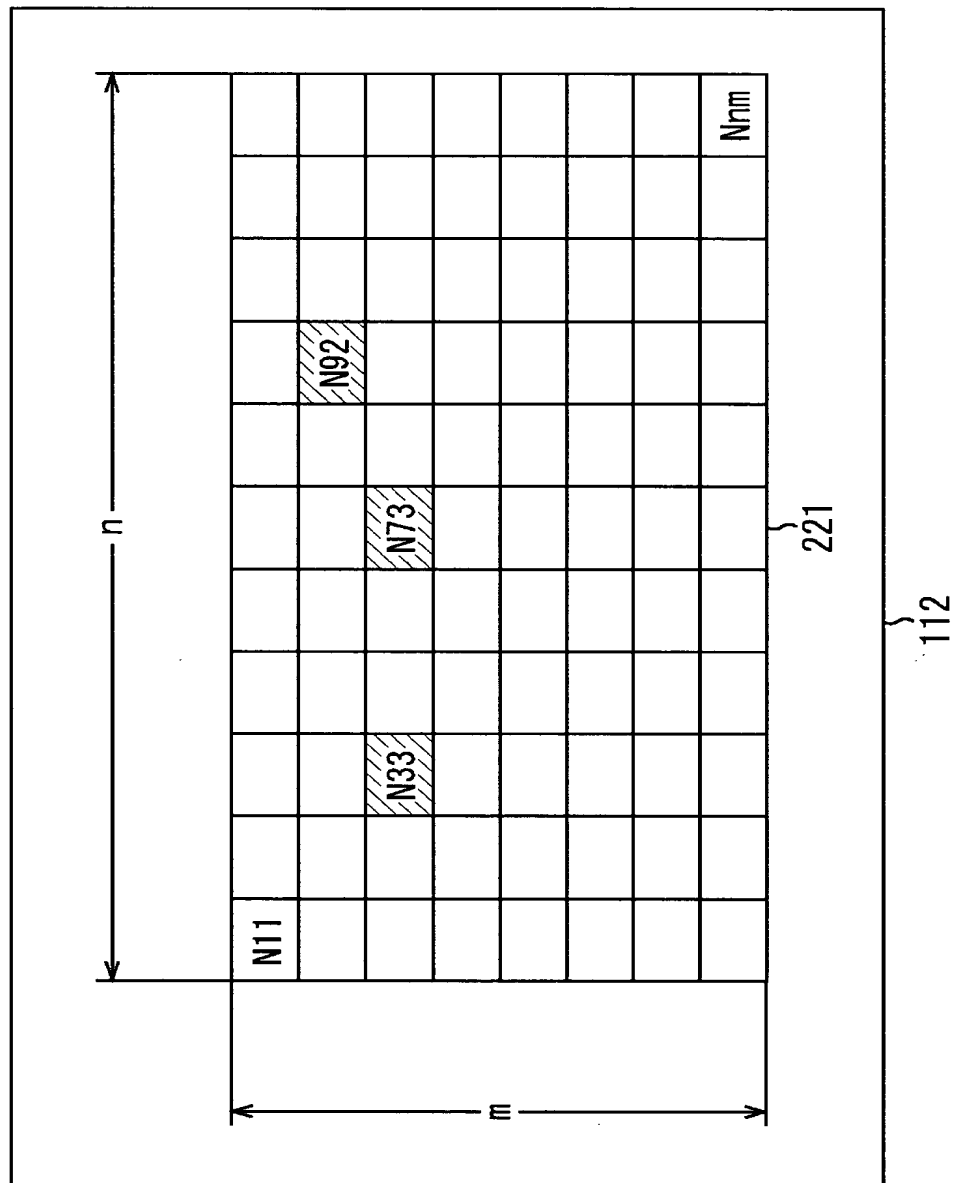


FIG. 15A

N11	N21	N31
1	1	0
N12	N22	N32
1	2	1
N13	N23	N33
0	1	1

FIG. 15B

211	212
USER ID	VIEWED-TILE ID
1234	T11, T12, T21, T22
4321	T22, T23, T32, T33

FIG. 16B

211		212	
USER ID		VIEWED-TILE ID	
1234		T11, T12, T21, T22	
4321		T22, T23, T32, T33	

FIG. 16A

N11	N21	N31
0	0	0
N12	N22	N32
0	1	1
N13	N23	N33
0	1	1



FIG. 17A

N11	N21	N31
0	1	1
N12	N22	N32
0	2	2
N13	N23	N33
0	1	1

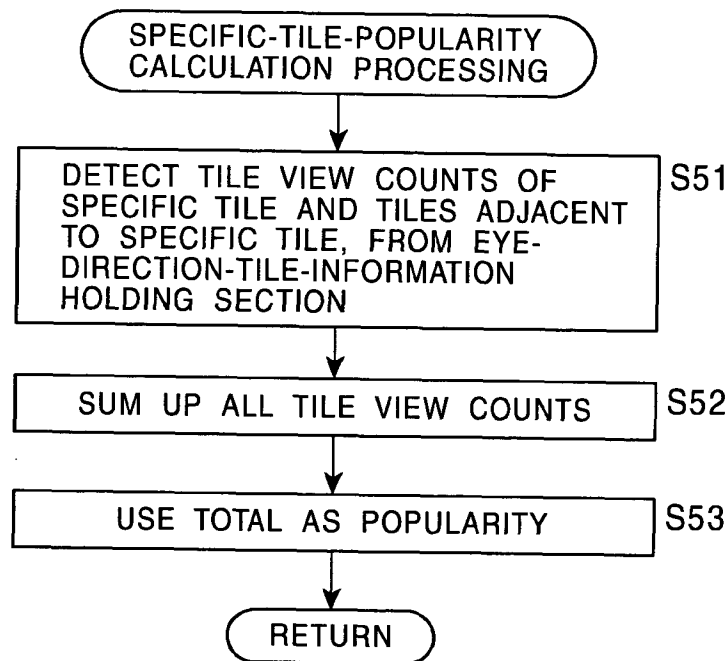
221

FIG. 17B

211	212
USER ID	VIEWED-TILE ID
1234	T21, T31, T22, T32
4321	T22, T23, T32, T33

210

FIG. 18



Inventor: Kenji Yamane

App. No.: Unknown

Docket No.: 112857-418

Firm/Attorney: Bell, Boyd & Lloyd, LLC/B. Joe Kim

Telephone No.: (312) 807-4354

19 / 28

FIG. 19

T22	T32	T42
T23	T33	T43
T24	T34	T44

FIG. 20

241			242			243		
SPECIFIC TILE ID			TILE POPULARITY			RANKING		
T33			30			1		
T92			20			2		
T73			10			3		

240

111

20 / 28

FIG. 21

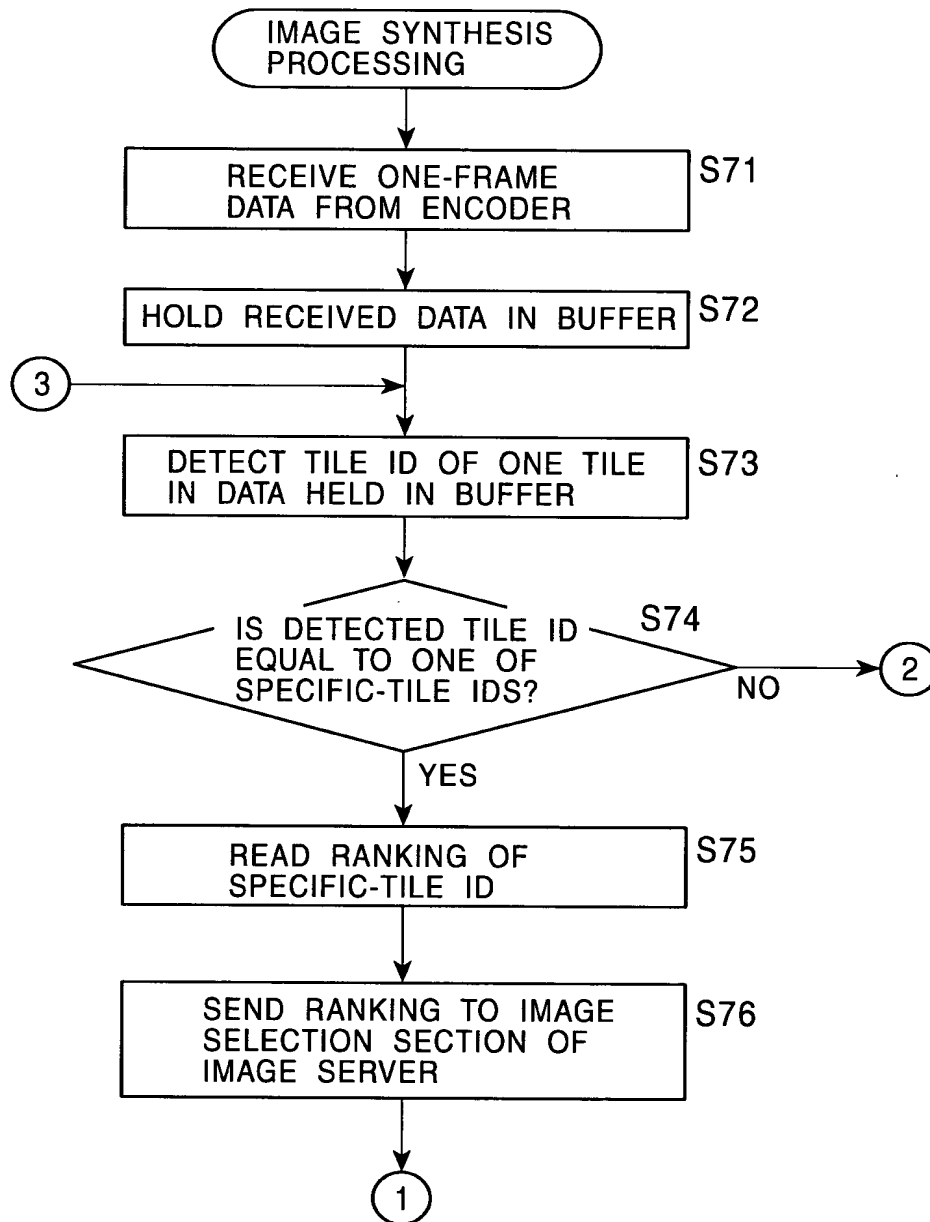


FIG. 22

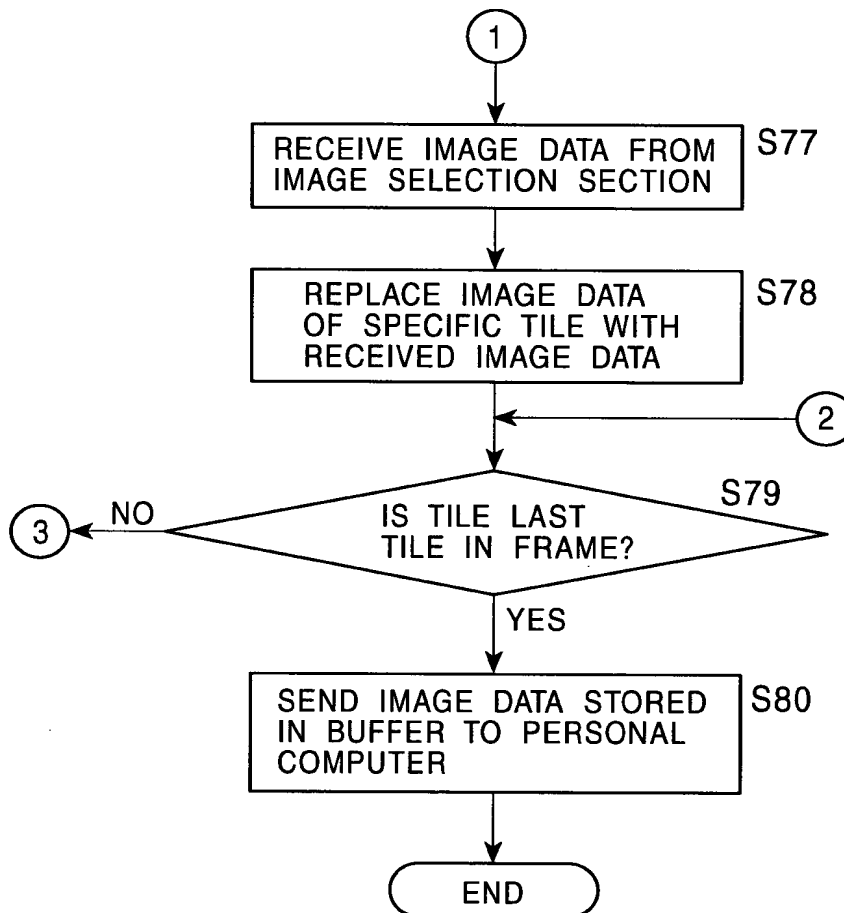


FIG. 23

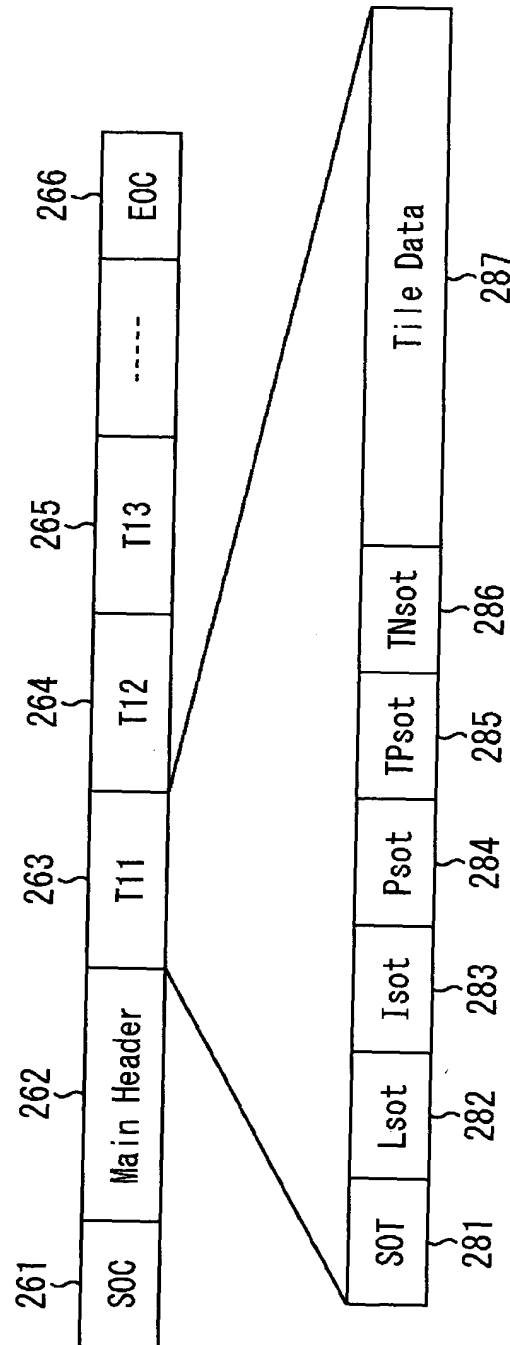
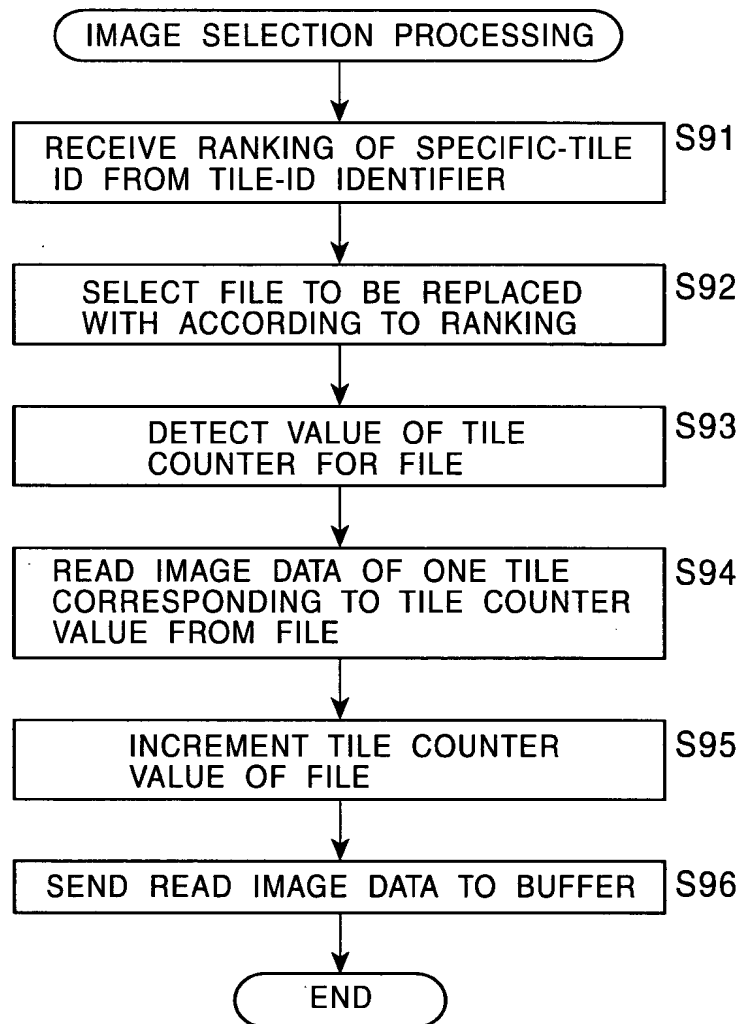


FIG. 24



Inventor: Kenji Yamane

App. No.: Unknown

Docket No.: 112857-418

Firm/Attorney: Bell, Boyd & Lloyd, LLC/B. Joe Kim

Telephone No.: (312) 807-4354

24 / 28

FIG. 25

271		272	
RANKING		FILE NAME	
1		File1	
2		File2	
3		File3	

141

FIG. 26

291		292	
FILE NAME		TILE COUNTER VALUE	
File1		30	
File2		30	
File3		29	

143



Inventor: Kenji Yamane

App. No.: Unknown

Docket No.: 112857-418

Firm/Attorney: Bell, Boyd & Lloyd, LLC/B. Joe Kim

Telephone No.: (312) 807-4354

25 / 28

FIG. 27

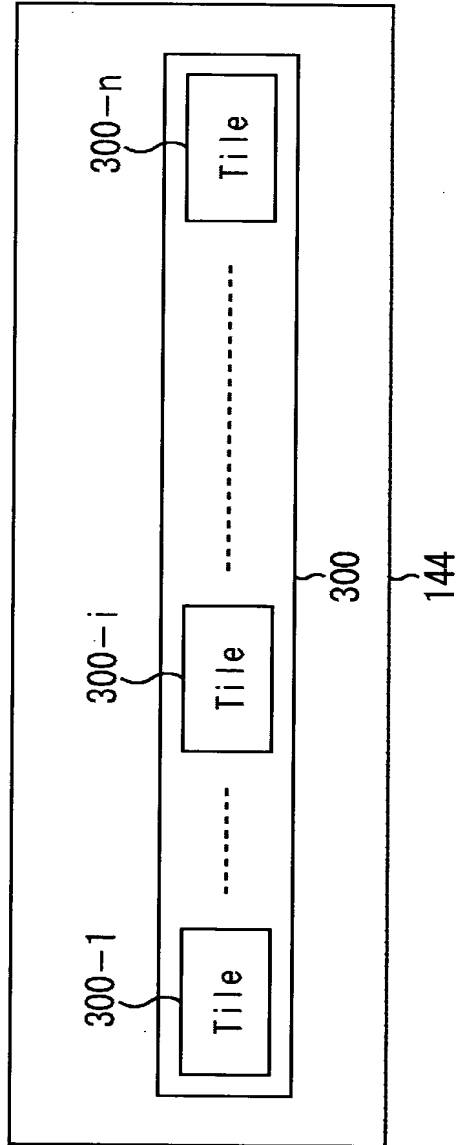


FIG. 28

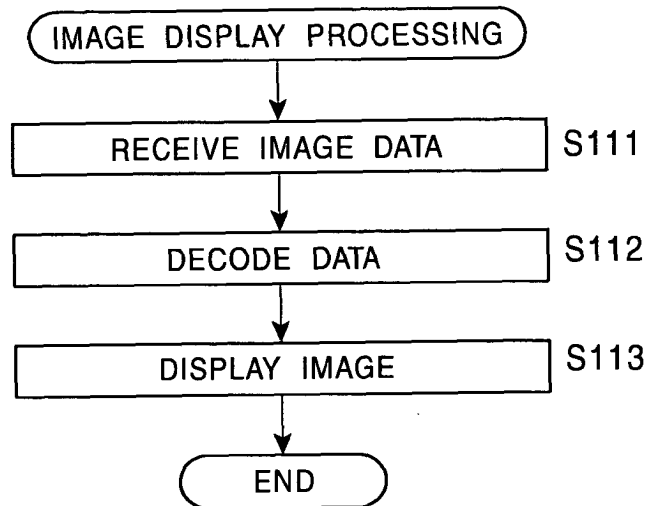


FIG. 29

